

22. The delivery device of claim **21**, wherein the pumping assembly comprises a pump actuator for actuating the pumping chamber.

23. The delivery device of claim **18**, wherein the disposable housing portion comprising a dispensing chamber.

24. A delivery device comprising:

a durable housing portion comprising a pumping assembly;

a disposable housing portion configured for selective engagement with the durable housing portion comprising:

an adhesive for securing the disposable housing portion to the user;

a reservoir section having a fluid reservoir with a cavity defined by a rigid reservoir portion and a flexible reservoir membrane that is sealingly attached to the rigid reservoir portion around the periphery of the cavity, a therapeutic fluid non-pressurized in the cavity, the flexible reservoir membrane configured to collapse as the therapeutic fluid is withdrawn; and

a fluid pumping section having an inlet valve, a pumping chamber, an outlet valve, the fluid pumping section configured for actuation by the pumping assembly of the durable housing portion to withdraw the therapeutic fluid from the cavity.

25. The delivery device of claim **24**, wherein the fluid reservoir is pre-filled by a manufacturer.

26. The delivery device of claim **24**, wherein the disposable housing assembly includes a base, the adhesive disposed on a first side of the base, the reservoir being included on an opposing side of the base.

27. The delivery device of claim **24**, wherein the pumping assembly further comprising a pump actuator for actuating the pumping chamber.

28. The delivery device of claim **27**, wherein the pumping assembly further comprising a plurality of valve actuators for actuating the inlet valve and the outlet valve.

29. The delivery device of claim **28**, wherein the valve actuators are actuated by a plurality of shape memory actuators.

30. The delivery device of claim **27**, wherein the pump actuator is actuated by a shape memory actuator.

31. The delivery device of claim **28**, wherein the pump actuator and the valve actuator for the inlet valve are actuated by a shape memory actuator.

32. The delivery device of claim **18**, wherein the disposable housing portion comprising a dispensing chamber.

* * * * *